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TITLE : HLA-C GENE AND DNA PROBE, AND
TRANSFORMANT CELL

ATCGGGTCATGGGGCCCGAACCCCTCATCGCTGCTCT
CCGAGGCCCTGGCCCTGACCGAGACCTGGCCCTGCTCCCA
CTCGATGAGGTATTTCTCCACATCCGTGTCGGGGGGGGGG
CCGGGGGAGCCCGCTTCATGGCAGTGGCTACGTGGAGC
ACATCCAGTTCGTGGCTTCGAGAGCGAGCCCGAGCTCG
GACAGGGGAGCCGGGGGGCCGACAGAGAGTACAGCCCTC
CGGAGTATTGGAGCCCGGAGACAGAGAGTACAGCCCTC
AGGACAGACTGACCCAGCTGAGCCCTCGCGAACCTCGCCGG
CTACTACAGACAGAGCGAGCGGGGCTCTACAGCCCTCCAG
TGGATGTTTGGCTGGAGCTGGGGGCTCTACAGCCCTCCAG
TCCGGGGTATGACCCAGTCCCGCTACGAGCGGAGGATTA
CATCGCCCTCAACGAGGATTTGGCTCTCTGAGCCCGGG
GACAGCGGGCTCAGATCACCGAGCGAGCTGGGAGCGGG

ABSTRACT : PURPOSE: To provide the title gene having exon expressed by a specific base sequence, useful for the research, assay and diagnosis of HLA-C alloantigen.

CONSTITUTION: The objective HLA-C gene having exon expressed by a base sequence of the formula (where the description of bases from 521th to 1101th are omitted) made up of 1101 bases (A is adenine; C is cytosine; G is guanine; T is thymine). When part of the sequence is labelled with a marker, the HLA-C gene, can be applied to DNA probe to be used for DNA typing. Said marker is e.g. peroxidase, iron porphyrin derivative, a luminous substance such as luciferase, a fluorescent substance. Moreover, since the HLA-C gene is capable of coding HLE-Cb-1, transformant cells capable of manifesting HLA-Cb-1 antigen can be obtained by transducing this gene into eucaryotic cells.

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